

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Wolfe *et al.* Confirmation No.: 2430  
 Appl. No.: 10/035,420 Group Art Unit: 1644  
 Filed: October 25, 2001 Examiner: Not yet assigned  
 For: METHODS OF PROTEIN PURIFICATION AND RECOVERY

June 10, 2003

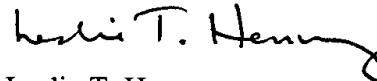
Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

## SUPPLEMENTAL CITATION UNDER 37 C.F.R. § 1.97

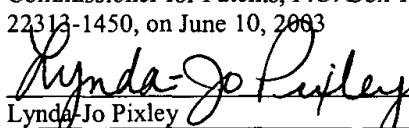
Attached is a Supplemental Form PTO-1449 listing several documents that were first cited in the International Search Report for the corresponding International Application Number PCT/US01/51038 not more than three months prior to the filing of this Statement. In this regard, Applicant notes that the International Search Report was not received by any individual designated by 37 CFR 1.56(c) more than thirty (30) days prior to the filing of this Information Disclosure Statement.

A copy of each document, including the Search Report, is enclosed. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,



Leslie T. Henry  
 Registration No. 45,714

|   |  |
|---|--|
| <p><b>CUSTOMER NO. 00826</b><br/> <b>ALSTON &amp; BIRD LLP</b><br/>         Bank of America Plaza<br/>         101 South Tryon Street, Suite 4000<br/>         Charlotte, NC 28280-4000<br/>         Tel Raleigh Office (919) 862-2200<br/>         Fax Raleigh Office (919) 862-2260</p> | <p align="center"><b>CERTIFICATE OF MAILING</b></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:<br/>         Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 10, 2003</p> <br>Lynda-Jo Pixley |
|---|--|

1644  
 RECEIVED  
 JUN 16 2003  
 TECH CENTER 1600/2900  
 P# 5



Substitute for form 1449/PTO  
(Revised 04/2003)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

## Complete if Known

Application Number 10/035,420  
Filing Date October 25, 2001  
First Named Inventor Wolfe  
Group Art Unit 1644  
Examiner Name Not yet assigned  
Attorney Docket Number PP16022.004 (035784/240411)

## U. S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. | Document Number<br>Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages of Relevant Figures<br>Appear |
|-----------------------|-------------|--|--------------------------------|--|---|
|                       |             |  |                                |  |   |
|                       |             |  |                                |  |   |

## FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | Foreign Patent Document<br>Country Code - Number Kind Code<br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | English<br>Language<br>Translation<br>Attached |
|----------------------|-------------|--|--------------------------------|---|--|--|
|                      | 31          | EP 0 360 937   | 04-04-1990                     | Cetus Corporation                                     |  |  |
|                      | 32          | WO 98/27211  | 06-25-1998                     | Universidade Federal<br>De Minas Gerais               |  |  |
|                      | 33          | WO 02/080976   | 10-17-2002                     | Chiron Corporation                                    |  |  |

## OTHER DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | English Language<br>Translation<br>Attached |
|----------------------|-------------|---|---|
|                      | 34          | LEE, J.K., <i>et al.</i> , "Purification of Human Interferon- $\beta$ from Recombinant <i>E. coli</i> ," <i>Korean Biochemical Journal</i> , 1990, pp. 166-171, Vol. 23(2).   |   |
|                      | 35          | PEPINSKY, R.B., "Selective Precipitation of Proteins from Guanidine Hydrochloride-Containing Solutions with Ethanol," <i>Analytical Biochemistry</i> , 1991, pp. 177-181, Vol. 195.   |   |
|                      | 36          | RUSSELL-HARDE, D., <i>et al.</i> , "The Use of Zwittergent 3-14 in the Purification of Recombinant Human Interferon- $\beta$ Ser <sup>17</sup> (Betaseron)," <i>Journal of Interferon and Cytokine Research</i> , 1995, pp. 31-37, Vol. 15(1).                  |   |
|                      | 37          | VAN OSS, C.J., "On the Mechanism of the Cold Ethanol Precipitation Method of Plasma Protein Fractionation," <i>Journal of Protein Chemistry</i> , 1989, pp. 661-668, Vol. 8(5).   |   |
|                      |             |   |   |
|                      |             |   |   |

Examiner  
Signature

Date  
Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.